⑥

inferno

User - inferno

Machine - sinus

Printer - ih6h201

Windows Print Job

11/06 — Removed first field of route
so BYE & CANCEL don't loop proxy

Via is address of symmetric proxy is supposed to add itself to it

CSeq of ACK had to be changed to INVITE
if the proxy buffed in it?

Request : all cseq should have name of method

Response : cseq copy name of method responded to

Proxy should check it's already in via list

```
sh -n /tmp/ecmd_sinus
sipc: proxy set to osiris.ih.lucent.com:5080
sipc: client set to 8020@lucent.com@*:5060
sipc: local domain @lucent.com
sipc: this client: 8020@lucent.com@135.2.180.20:udp/5060
sipc: announced udp!*!5060 /net/udp/0 port 5060
sipc: listen process 1233
sipc: monitor process 1234
sipc: connect to 5080 at udp!osiris.ih.lucent.com!5080
sipc: new connection to udp!osiris.ih.lucent.com!5080 5080
sipc: explicitport() ->  SIP/2.0/UDP 135.2.180.20:5060
sipc: explicitport() ->  SIP/2.0/UDP osiris.ih.lucent.com:5080
sipc: current state REGISTER 0
sipc: explicitport() -> 135.2.180.20:5060
sipc: explicitport() -> osiris.ih.lucent.com:5080
sipc: sending:
REGISTER sip:lucent.com SIP/2.0
Via: SIP/2.0/UDP 135.2.180.20:5060
From: <sip:8020@lucent.com>
To: <sip:8020@lucent.com>
Call-ID: 1753264122@135.2.180.20
CSeq: 1 REGISTER
Contact: <sip:8020@135.2.180.20:5060>
Expires: 3600
Content-Length: 0


sipc: sent: REGISTER .
sipc: sound process 1239
sipc: command process 1240
mash% sipc: /tmp/sc is the command interpreter
sipc: receiving:
[SIP/2.0 100 Trying
To: <sip:8020@lucent.com>
From: <sip:8020@lucent.com>
Call-ID: 1753264122@135.2.180.20
CSeq: 1 REGISTER
Via: SIP/2.0/UDP 135.2.180.20:5060
Server: Lucent Technologies, Inc. iSIP 1.0/beta1
Content-Length: 0


]
sipc: switching to new received call 1753264122@135.2.180.20->1753264122@135.2.180.2
sipc: via host 135.2.180.20:5060
sipc: viahost returns @135.2.180.20:udp/5060
sipc: connect back to 5080 at udp!osiris.ih.lucent.com!5080
sipc: new connection to udp!osiris.ih.lucent.com!5080 5080
sipc: state REGISTER 100 Trying
sipc: receiving:
[SIP/2.0 200 OK
To: <sip:8020@lucent.com>;tag=3a02d696
From: <sip:8020@lucent.com>
Call-ID: 1753264122@135.2.180.20
CSeq: 1 REGISTER
Via: SIP/2.0/UDP 135.2.180.20:5060
Contact: <sip:8020@135.2.180.20>;action=proxy
Expires: 3600
Server: Lucent Technologies, Inc. iSIP 1.0/beta1
Content-Length: 0
```

```
]
sipc: state REGISTER 200 OK
sipc: receiving:
[INVITE sip:8020@135.2.180.20 SIP/2.0
To: <sip:8020@lucent.com>
From: <sip:8025@lucent.com>
Call-ID: 1753282233@135.2.180.25
CSeq: 1 INVITE
Via: SIP/2.0/UDP osiris:5080;branch=124.308;maddr=135.185.145.76
Via: SIP/2.0/UDP 135.2.180.25:5060
Contact: <sip:8025@135.2.180.25>;action=proxy
Content-Type: application/sdp
Record-Route: <sip:8020@lucent.com;maddr=135.185.145.76>
User-Agent: Inferno Webphone 2630
Content-Length: 174

v=0
o=- 1839005625 1839005625 IN IP4 135.2.180.25
s=Inferno Ephone Session
c=IN IP4 135.2.180.25
t=973282234 0
m=audio 3456 RTP/AVP 0
a=rtpmap:0 PCMU/8000
a=ptime:20

]
sipc: received sid = 1839005625
sipc: switching to new received call 1753264122@135.2.180.20->1753282233@135.2.180.2
sipc: current state INVITE 180 Ringing
sipc: sound received (r, -1)
sipc: explicitport() -> 135.2.180.20:5060
sipc: f=ringer
sipc: explicitport() -> lucent.com:5060
sipc: explicitport() -> lucent.com:5060
sipc: sending:
SIP/2.0 180 Ringing
Route: <sip:8020@lucent.com;maddr=135.185.145.76>
Route: <sip:8025@135.2.180.25>;action=proxy
Via: SIP/2.0/UDP osiris:5080;branch=124.308;maddr=135.185.145.76
Via: SIP/2.0/UDP 135.2.180.25:5060
From: <sip:lucent.com:5060>
To: <sip:lucent.com:5060>
Call-ID: 1753282233@135.2.180.25
CSeq: 1 INVITE
Contact: <sip:@135.2.180.20:5060>
Content-Length: 0


sipc: sent: INVITE 180 Ringing
sipc: receiving:
[CANCEL sip:8020@135.2.180.20 SIP/2.0
To: <sip:8020@lucent.com>
From: <sip:8025@lucent.com>
Call-ID: 1753282233@135.2.180.25
CSeq: 1 CANCEL
Via: SIP/2.0/UDP osiris:5080;branch=25a;maddr=135.185.145.76
Content-Length: 0


]
sipc: sound received (, 0)
```

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```
sipc: receiving:
[INVITE sip:8020@135.2.180.20 SIP/2.0
To: <sip:8020@lucent.com>
From: <sip:8025@lucent.com>
Call-ID: 1753282233@135.2.180.25
CSeq: 1 INVITE
Via: SIP/2.0/UDP osiris:5080;branch=124.308;maddr=135.185.145.76
Via: SIP/2.0/UDP 135.2.180.25:5060
Contact: <sip:8025@135.2.180.25>;action=proxy
Content-Type: application/sdp
Record-Route: <sip:8020@lucent.com;maddr=135.185.145.76>
User-Agent: Inferno Webphone 2630
Content-Length: 174

v=0
o=- 1839005625 1839005625 IN IP4 135.2.180.25
s=Inferno Ephone Session
c=IN IP4 135.2.180.25
t=973282234 0
m=audio 3456 RTP/AVP 0
a=rtpmap:0 PCMU/8000
a=ptime:20

]
sipc: received sid = 1839005625
sipc: switching to new received call 1753264122@135.2.180.20->1753282233@135.2.180.2
sipc: sound received (r, -1)
sipc: f=ringer
sipc: current state INVITE 180 Ringing
sipc: explicitport() -> 135.2.180.20:5060
sipc: explicitport() -> lucent.com:5060
sipc: explicitport() -> lucent.com:5060
sipc: sending:
SIP/2.0 180 Ringing
Route: <sip:8020@lucent.com;maddr=135.185.145.76>
Route: <sip:8025@135.2.180.25>;action=proxy
Via: SIP/2.0/UDP osiris:5080;branch=124.308;maddr=135.185.145.76
Via: SIP/2.0/UDP 135.2.180.25:5060
From: <sip:lucent.com:5060>
To: <sip:lucent.com:5060>
Call-ID: 1753282233@135.2.180.25
CSeq: 1 INVITE
Contact: <sip:@135.2.180.20:5060>
Content-Length: 0


sipc: sent: INVITE 180 Ringing


mash% echo a >/tmp/sc
echo a >/tmp/sc
sipc> a
sipc: current state INVITE 200 OK
sipc: sound received (, 0)
sipc: explicitport() -> 135.2.180.20:5060
sipc: explicitport() -> lucent.com:5060
sipc: explicitport() -> lucent.com:5060
sipc: session 1839005625 data audio:
        m=audio 3456 RTP/AVP 0
        rdata audio:
        :: m=audio 3466 RTP/AVP 0
```

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```
sipc: start RTP/AVP/0 audio: 1 135.2.180.25:3456 lucent.com:3466

sipc: missmatched announce on 135.2.180.20 and not lucent.com
sipc: announced udp!*!3466 /net/udp/1 port 3466
sipc: audiolisten start size 172
sipc: announced udp!*!3467 /net/udp/3 port 3467
sipc: sending:
SIP/2.0 200 OK
Route: <sip:8020@lucent.com;maddr=135.185.145.76>
Route: <sip:8025@135.2.180.25>;action=proxy
Via: SIP/2.0/UDP osiris:5080;branch=124.308;maddr=135.185.145.76
Via: SIP/2.0/UDP 135.2.180.25:5060
From: <sip:lucent.com:5060>
To: <sip:lucent.com:5060>
Call-ID: 1753282233@135.2.180.25
CSeq: 1 INVITE
Contact: <sip:@135.2.180.20:5060>
Content-Type: application/sdp
Content-Length: 170


v=0
o=- 1839005625 1839005625 IN IP4 lucent.com
s=Inferno Ephone Session
c=IN IP4 lucent.com
t=973264530 0
m=audio 3466 RTP/AVP 0
a=rtpmap:0 PCMU/8000
a=ptime:20


sipc: sent: INVITE 200 OK
mash% limbo -C sip.b
limbo -C sip.b
sip.b:1344: via is not declared
mash% limbo -C sip.b
limbo -C sip.b
sip.b:1344: via is not declared
mash% limbo -C sip.b
limbo -C sip.b
mash% cp sip.dis /dis
cp sip.dis /dis
mash% echo q >/tmp/sc
echo q >/tmp/sc
sipc> q
sipc: sound received (, 0)
mash% sipc: sound received (, 0)
sipc: sound process ends
kill: process 1239: file does not exist
kill: process 1266: file does not exist
sipc: stop audio: 1 135.2.180.25:3456:RTP/AVP/0 lucent.com:3466:RTP/AVP/0

kill: process 0: file does not exist
sh -n /tmp/ecmd_sinus
sh -n /tmp/ecmd_sinus
sipc: proxy set to osiris.ih.lucent.com:5080
sipc: client set to 8020@lucent.com@*:5060
sipc: local domain @lucent.com
sipc: this client: 8020@lucent.com@135.2.180.20:udp/5060
sipc: announced udp!*!5060 /net/udp/0 port 5060
sipc: listen process 1279
sipc: monitor process 1280
sipc: connect to 5080 at udp!osiris.ih.lucent.com!5080
```

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